

Monoclonal Antibody to CD90 - Purified

Alternate names:	CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
Catalog No.:	SM2128PT
Quantity:	25 µg
Concentration:	1.0 mg/ml
Background:	CD90 / Thy1 antigen is a GPI linked glycoprotein member of the Immunoglobulin superfamily. It is expressed on murine T cells, thymocytes, neural cells, cells of granulocytic lineage, early hematopoietic progenitors, fibroblasts, neurons and Kupffer's cells. Thy1 may play a role in cell to cell or cell to ligand interactions during synaptogenesis and other events in the brain. It is found in most mouse strains except AKR/J, A, Thy1.1 and B6.PL (74NS) expressing Thy1.1.
Uniprot ID:	P01831
NCBI:	NP_033408.1
GeneID:	21838
Host / Isotype:	Rat / IgG1
Clone:	FF-10
Immunogen:	EL-4 cells. Spleen cells from immunised Sprague-Dawley rats were fused with cells from the mouse SP2/0 - Ag14 myeloma cell line.
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative.
Applications:	Flow Cytometry (1/50-1/100). Immunohistochemistry on Frozen Sections. Immunoprecipitation. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the Thy1.2 cell surface antigen, and binds to T cell lines (EL-4, 3A9), T lymphocytes and the WEH1-3 cell line. 3T3 fibroblasts are also stained by this antibody. This clone recognises a 30kD glycoprotein in Immunoprecipitation and Western blotting assays. The antibody strongly induces homotypic adhesion of Thy1.2 positive cell lines. Species: Mouse. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General References: 1. Fan, X. et al. (1996) ICAM-1, -2, and LFA-1 independent homotypic T cell aggregation induced by a novel activating monoclonal antibody targeting the murine Thy-1 molecule. *Inflammation* 20: 401.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com